

L Number	Hits	Search Text	DB	Time stamp
1	39	gassenmeier-thomas.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/03 14:18
2	19	millhoff-juergen.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/03 14:19
3	68	schmiedel-peter.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/03 14:22
4	13	rybinski-wolfgang-von.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/03 14:22
5	44	von-rybinski-wolfgang.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/03 14:23
6	17	krupp-ute.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/03 14:24
7	0	(percarbonate or peroxy\$7 near5 carbonate) same (coat\$3 or encapsulat\$4 or spray\$3 or impregnat\$4 or surround\$3 or clad or sheath or shell) near6 (stearic or octadecanoic)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/03 14:49
8	26	(percarbonate or peroxy\$7 near5 carbonate) same (coat\$3 or encapsulat\$4 or spray\$3 or impregnat\$4 or surround\$3 or clad or sheath or shell) same (stearic or octadecanoic)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/03 16:12
9	4	(percarbonate or peroxy\$7 near5 carbonate) near6 (coat\$3 or encapsulat\$4 or spray\$3 or impregnat\$4 or surround\$3 or clad or sheath or shell) near6 fatty adj1 acid	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/03 16:20
10	59	bleach\$3 near6 (coat\$3 or encapsulat\$4 or spray\$3 or impregnat\$4 or surround\$3 or clad or sheath or shell) near6 (stearic or octadecanoic or fatty adj1 acid)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/03 16:21

	U	1	Document ID	Issue Date	Pages	Title	Current OR
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030228992 A1	20031211	33	Laundry and cleaning and/or fabric care compositions	510/267
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030211055 A1	20031113		Peroxidase-activating oral compositions	424/50
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20030064909 A1	20030403		Laundry detergent and/or fabric care compositions comprising a transferase	510/392
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020037824 A1	20020328		Detergent compositions comprising a maltogenic alpha-amylase enzyme and a detergent ingredient	510/305
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20020032142 A1	20020314		Detergent compositions comprising a cyclodextrin glucanotransferase enzyme and a detergent ingredient	510/305
6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6764986 B1	20040720		Process for producing particles of amine reaction products	510/101
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6740713 B1	20040525		Process for producing particles of amine reaction products	525/417
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6734155 B1	20040511		Cleaning compositions comprising an oxidoreductase	510/392
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6576227 B1	20030610		Peroxidase-activating oral compositions	424/50
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6559243 B1	20030506		Glyoxylic compound comprising one or more active ingredient	525/398
11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6541438 B1	20030401		Laundry detergent and/or fabric care compositions comprising a modified cellulase	510/392
12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6492316 B1	20021210		Cleaning compositions comprising a cytochrome	510/392

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1	510/475		Smets, Johan et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2			Montgomery, Robert Eric	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3			Barnabas, Mary Vjayarani et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	510/306; 510/313; 510/392		Smets, Johan et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	510/311; 510/312; 510/392		Smets, Johan et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	525/540; 528/493		Busch, Alfred et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	510/101; 525/540; 528/424		Busch, Alfred et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	510/300; 510/306; 510/321; 510/374		Herbots, Ivan Maurice Alfons Jan et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	424/440; 424/490; 424/53; 424/613; 433/217.1		Montgomery, Robert E.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	525/473; 560/180; 560/182; 562/583		Heinzman, Stephen Wayne et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	435/209; 510/276; 510/300; 510/305; 510/320; 510/374		Smets, Johan et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	435/189; 510/300; 510/305; 510/306; 510/320; 510/374; 510/530		Herbots, Ivan Maurice Alfons Jan et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
13	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6486112 B1	20021126	34	Laundry detergent compositions comprising a saccharide gum degrading enzyme	510/320
14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6468955 B1	20021022	30	Laundry detergent and/or fabric care compositions comprising a modified enzyme	510/392
15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6465410 B1	20021015	29	Laundry detergent and/or fabric care composition comprising a modified antimicrobial protein	510/392
16	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6410498 B1	20020625	33	Laundry detergent and/or fabric care compositions comprising a modified transferase	510/392
17	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6380145 B1	20020430	32	Cleaning compositions comprising a specific oxygenase	510/392
18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6251845 B1	20010626		Detergent compositions comprising an oxygenase enzyme and cofactor to remove body soils	510/320

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
13	510/276; 510/300; 510/305; 510/306; 510/530		Bettiol, Jean-Luc Philippe et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	435/174; 510/276; 510/305; 510/320; 510/374		Smets, Johan et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	435/188; 435/68.1; 435/69.1; 435/7.1; 510/276; 510/305; 510/312; 510/320; 510/374		Bettiol, Jean-Luc Philippe et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	424/94.5; 435/193; 510/320; 510/515; 510/530; 8/137		Smets, Johan et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	510/114; 510/226; 510/300; 510/305; 510/306; 510/320; 510/374; 510/530		Herbots, Ivan Maurice Alfons Jan et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	510/226; 510/305; 510/308; 510/309; 510/321; 510/376; 510/392; 510/393; 510/530		Herbots, Ivan Maurice Alfons Jan et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
19	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6204234 B1	20010320	31	Cleaning compositions comprising a specific oxygenase	510/321
20	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6184197 B1	20010206		Polymeric compound comprising one or more active alcohols	510/475
21	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6133227 A	20001017		Enzymatic detergent compositions	510/530
22	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 6113655 A	20000905	21	Detergent compositions comprising a pectinesterase enzyme	8/137
23	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5908614 A	19990601		Peroxidase-activating oral compositions	424/53

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
19	510/130; 510/137; 510/226; 510/320; 510/393; 510/397; 510/530		Herbots, Ivan Maurice Alfons Jan et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20			Heinzman, Stephen Wayne et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	134/25.2; 510/226; 510/235; 510/238; 510/283; 510/320; 510/321; 510/322; 510/362; 510/392; 510/393; 510/509; 510/515; 8/187		Barnabas, Mary Vijayarani et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	134/25.2; 134/42; 510/226; 510/236; 510/238; 510/307; 510/320; 510/321; 510/392; 510/393; 510/530		Tsunetsugu, Shuichi et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	106/35; 424/440; 424/48; 424/490; 424/613; 433/215		Montgomery, Robert Eric	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
24	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4327151 A	19820427		Encapsulated bleaches and methods for their preparation	428/407
25	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4126717 A	19781121		Encapsulated bleaches and methods for their preparation	427/220
26	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 4078099 A	19780307		Encapsulated bleaches and methods for their preparation	427/213



	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
24	427/213; 427/221; 428/403; 510/302; 510/349; 510/353; 510/441		Mazzola, Louis R.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	427/221; 427/425		Mazzola, Louis R.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	427/214; 510/220; 510/302; 510/353; 510/379; 510/441; 510/444; 510/491		Mazzola, Louis R.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	U	1	Document ID	Issue Date	Pages	Title	Current OR
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 20010044398 A1	20011122	10	Protease- and percarbonate-containing detergents	510/305
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JP 09316496 A	19971209		BLEACHING AGENT	
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	WO 9217404 A	19921015		Stabilised sodium percarbonate useful as bleaching agent - is coated with mixt. of low- and high-melting fatty acids	
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JP 03115496 A	19910516		Storage stable bleaching agent and bleaching detergent compsn. - contain surface coated sodium percarbonate and bleaching activating agent having phenol sulphonic Gp.	

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1	510/306; 510/309; 510/310; 510/320; 510/374; 510/375; 510/392; 510/530		Speckmann, Horst-Dieter et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2			REINHARDT, GERD DR et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3			BLOCK, C et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PAT-NO: JP409316496A

DOCUMENT-IDENTIFIER: JP 09316496 A

TITLE: BLEACHING AGENT

PUBN-DATE: December 9, 1997

INVENTOR-INFORMATION:

NAME	COUNTRY
REINHARDT, GERD DR	N/A
FRIDERICH, VERA	N/A
BORCHERS, GEORG	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
HOECHST AG	N/A

APPL-NO: JP09036409

APPL-DATE: February 20, 1997

INT-CL (IPC): C11D007/54, C11D003/386 , C11D003/39 , C11D003/395 ,  
C11D007/38  
, C11D007/42

ABSTRACT:

**PROBLEM TO BE SOLVED:** To obtain a new bleaching agent comprising a peracid salt coated with a specific coating agent and an enzyme, capable of suppressing the interaction of mutual actions of the peracid salt and the enzyme at the starting of a cleaning process, effectively and efficiently using both the systems and excellent in cleaning effects.

**SOLUTION:** This bleaching agent comprises (A) a peracid salt (preferably sodium percarbonate) coated with a coating agent comprising an 8-18C fatty acid

(e.g. lauric acid), a wax (e.g. paraffin wax) or a silicone oil, (B) an enzyme (e.g. protease or lipase) and optionally (C) a bleaching activator (preferably aminonitrile) or (D) a bleaching catalyst (preferably peroxometallate, etc.). The content of the component A is 70-90wt.% and that of the component B is 0.2-5wt.%. When the component C is used, the component C is preferably used in 1-25wt.% concentration. When the component D is used, it is preferably used in 0.005-5wt.% concentration. The content of the coating agent in the component A is preferably 5-30wt.%.

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DERWENT-ACC-NO: 1992-366132

DERWENT-WEEK: 199244

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TITLE: Stabilised sodium percarbonate useful as bleaching agent  
- is coated with mixt. of low- and high-melting fatty  
acids

INVENTOR: BLOCK, C; SCHREIBER, G

PATENT-ASSIGNEE: HENKEL KGAA[HENK]

PRIORITY-DATA: 1991DE-4109954 (March 26, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9217404 A1	October 15, 1992	G	018	C01D 015/10

DESIGNATED-STATES: JP US AT BE CH DE DK ES FR GB GR IT LU MC NL SE

CITED-DOCUMENTS: EP 407189; US 3459665 ; US 4078099

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
WO 9217404A1	N/A	1992WO-EP00577	March 17, 1992

INT-CL (IPC): A61K033/00, C01D015/10, C11D003/39

ABSTRACTED-PUB-NO: WO 9217404A

BASIC-ABSTRACT:

Na percarbonate (I) is stabilised against decomposition by coating with a compsn. comprising a mixt. of fatty acids contg. at least 8C atoms, where at least one of the fatty acids has a m.pt. below 35 deg.C. and at least one has a m.pt. of at least 35 deg.C..

USE/ADVANTAGE - (I) is useful as an oxidising agent, esp. as a bleaching agent in detergent compsns. and disinfectants. The coated prods. have good stability in warm and humid atmospheres, and free-flowing and non-caking, dissolve adequately in cold water, and have good compatibility with other detergent ingredients.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: STABILISED SODIUM PERCARBONATE USEFUL BLEACH  
AGENT COATING MIXTURE  
LOW HIGH MELT FATTY ACID

DERWENT-CLASS: D25 E17 E34

CPI-CODES: D09-A01A; D11-B; D11-B01B; E10-C04L1; E10-C04L2; E31-E;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

A111 A940 C106 C108 C408 C730 C801 C802 C803 C805  
C807 M411 M782 M903 M904 Q261 Q273 Q507 R043

Specific Compounds

03786M 03787M

Registry Numbers

92407

Chemical Indexing M3 \*02\*

Fragmentation Code

J0 J011 J1 J171 M220 M221 M222 M223 M224 M225  
M231 M232 M233 M262 M281 M320 M416 M620 M782 M903  
M904 Q261 Q273 Q507 R043

Markush Compounds

199244-F8401-M

Registry Numbers

92407

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0122U

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1992-162551

DERWENT-ACC-NO: 1991-188996

DERWENT-WEEK: 199126

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TITLE: Storage stable bleaching agent and bleaching detergent  
compsn. - contain surface coated sodium percarbonate and  
bleaching activating agent having phenol sulphonic Gp.

PATENT-ASSIGNEE: KAO CORP[KAOS]

PRIORITY-DATA: 1989JP-0254213 (September 29, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 03115496 A	May 16, 1991	N/A	000	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 03115496A	N/A	1989JP-0254213	September 29, 1989

INT-CL (IPC): C11D007/54

ABSTRACTED-PUB-NO: JP 03115496A

BASIC-ABSTRACT:

Bleaching agent and bleaching detergent compsn. contain (A) Na percarbonate surface-coated with a coating agent based on fatty acids contg. at least 60 wt.% of 16C-18C fatty acids and 15-70 wt.% of unsatd. fatty acids and (B) a bleaching-activating agent(s) having a phenol sulphonic gp. or its salt gp. as an eliminating gp..

The coating agent is prepd., e.g., from beef tallow, palm oil, peanut oil, etc.. The coating agent comprises an inorganic cpd., e.g. Na carbonate or Mg silicate, sequestering agents, e.g. nitrilo-triacetate or organic high mol. cpds., e.g. polyethylene glycol, opt. used together. The ratio of the coating agent to the percarbonate is 1-40 wt.%.



USE/ADVANTAGE - Agent and compsn. have high storage stability and good solubility. Sample agents and compsns. prepd. showed survival rates of effective oxygen after 14-days standing at 40 deg. C and 80 % RH of upto 88-90 %, compared with 25-72 %.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: STORAGE STABILISED BLEACH AGENT BLEACH DETERGENT COMPOSITION

CONTAIN SURFACE COATING SODIUM PERCARBONATE BLEACH  
ACTIVATE AGENT  
PHENOL SULPHONIC GROUP

DERWENT-CLASS: A97 D25 E19

CPI-CODES: A12-W12B; D11-B01A; E10-A09B7; E10-C04H; E10-C04L2; E31-E;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

A111 A940 C106 C408 C530 C738 C801 C802 C803 C805

C807 M411 M782 M903 M904 Q273 Q507 Q613

Specific Compounds

03532M

Chemical Indexing M3 \*02\*

Fragmentation Code

H721 J0 J011 J1 J171 M210 M211 M212 M213 M214

M215 M216 M220 M221 M222 M223 M224 M225 M226 M231

M232 M233 M262 M281 M320 M416 M620 M782 M903 M904

Q273 Q507

Markush Compounds

199126-D0301-M

Chemical Indexing M3 \*03\*

Fragmentation Code

G011 G012 G013 G100 H181 H581 H582 H583 H584 H589

J011 J012 J241 J271 J371 J581 K0 K4 K431 L472

L640 L699 L722 M210 M211 M212 M213 M214 M215 M216

M220 M221 M222 M223 M224 M225 M231 M232 M233 M262

M272 M273 M281 M282 M283 M311 M312 M313 M314 M315

M316 M320 M321 M322 M323 M331 M332 M333 M342 M349

M381 M383 M391 M392 M393 M414 M510 M520 M531 M540  
M630 M640 M650 M782 M903 M904 Q273 Q507  
Markush Compounds  
199126-D0302-M

**POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:**

Key Serials: 0013 0231 1279 1588 2701 2729 2733

Multipunch Codes: 014 028 04- 147 198 336 445 477 603 623 624 678 688 720 721

**SECONDARY-ACC-NO:**

CPI Secondary Accession Numbers: C1991-081972

DERWENT-ACC-NO: 1991-188996

DERWENT-WEEK: 199126

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TITLE: Storage stable bleaching agent and bleaching detergent  
compsn. - contain surface coated sodium percarbonate and  
bleaching activating agent having phenol sulphonic Gp.

PATENT-ASSIGNEE: KAO CORP[KAOS]

PRIORITY-DATA: 1989JP-0254213 (September 29, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 03115496 A	May 16, 1991	N/A	000	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 03115496A	N/A	1989JP-0254213	September 29, 1989

INT-CL (IPC): C11D007/54

ABSTRACTED-PUB-NO: JP 03115496A

BASIC-ABSTRACT:

Bleaching agent and bleaching detergent comps. contain (A) Na percarbonate surface-coated with a coating agent based on fatty acids contg. at least 60 wt.% of 16C-18C fatty acids and 15-70 wt.% of unsatd. fatty acids and (B) a bleaching-activating agent(s) having a phenol sulphonic gp. or its salt gp. as an eliminating gp..

The coating agent is prepd., e.g., from beef tallow, palm oil, peanut oil, etc.. The coating agent comprises an inorganic cpd., e.g. Na carbonate or Mg silicate, sequestering agents, e.g. nitrilo-triacetate or organic high mol. cpds., e.g. polyethylene glycol, opt. used together. The ratio of the coating agent to the percarbonate is 1-40 wt.%.

USE/ADVANTAGE - Agent and compsn. have high storage stability and good solubility. Sample agents and compsns. prepd. showed survival rates of effective oxygen after 14-days standing at 40 deg. C and 80 % RH of upto 88-90 %, compared with 25-72 %.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: STORAGE STABILISED BLEACH AGENT BLEACH DETERGENT COMPOSITION

CONTAIN SURFACE COATING SODIUM PERCARBONATE BLEACH  
ACTIVATE AGENT  
PHENOL SULPHONIC GROUP

DERWENT-CLASS: A97 D25 E19

CPI-CODES: A12-W12B; D11-B01A; E10-A09B7; E10-C04H; E10-C04L2; E31-E;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

A111 A940 C106 C408 C530 C738 C801 C802 C803 C805

C807 M411 M782 M903 M904 Q273 Q507 Q613

Specific Compounds

03532M

Chemical Indexing M3 \*02\*

Fragmentation Code

H721 J0 J011 J1 J171 M210 M211 M212 M213 M214

M215 M216 M220 M221 M222 M223 M224 M225 M226 M231

M232 M233 M262 M281 M320 M416 M620 M782 M903 M904

Q273 Q507

Markush Compounds

199126-D0301-M

Chemical Indexing M3 \*03\*

Fragmentation Code

G011 G012 G013 G100 H181 H581 H582 H583 H584 H589

J011 J012 J241 J271 J371 J581 K0 K4 K431 L472

L640 L699 L722 M210 M211 M212 M213 M214 M215 M216

M220 M221 M222 M223 M224 M225 M231 M232 M233 M262

M272 M273 M281 M282 M283 M311 M312 M313 M314 M315

M316 M320 M321 M322 M323 M331 M332 M333 M342 M349

M381 M383 M391 M392 M393 M414 M510 M520 M531 M540  
M630 M640 M650 M782 M903 M904 Q273 Q507  
Markush Compounds  
199126-D0302-M

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0013 0231 1279 1588 2701 2729 2733

Multipunch Codes: 014 028 04- 147 198 336 445 477 603 623 624 678 688 720 721

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1991-081972